FIG. 1A

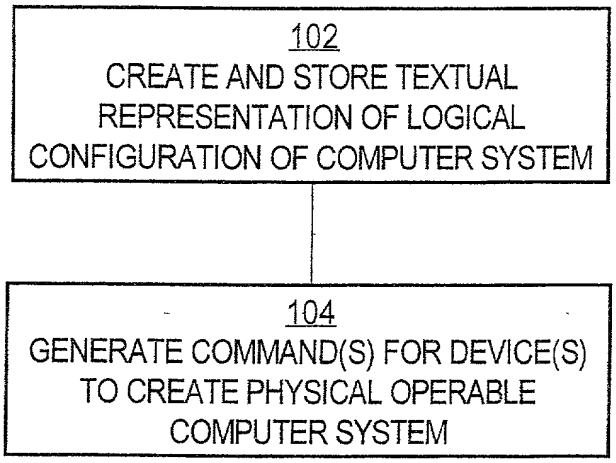

102
CREATE AND STORE TEXTUAL REPRESENTATION OF LOGICAL CONFIGURATION OF COMPUTER SYSTEM
104
GENERATE COMMAND(S) FOR DEVICE(S) TO CREATE PHYSICAL OPERABLE COMPUTER SYSTEM

FIG. 1B

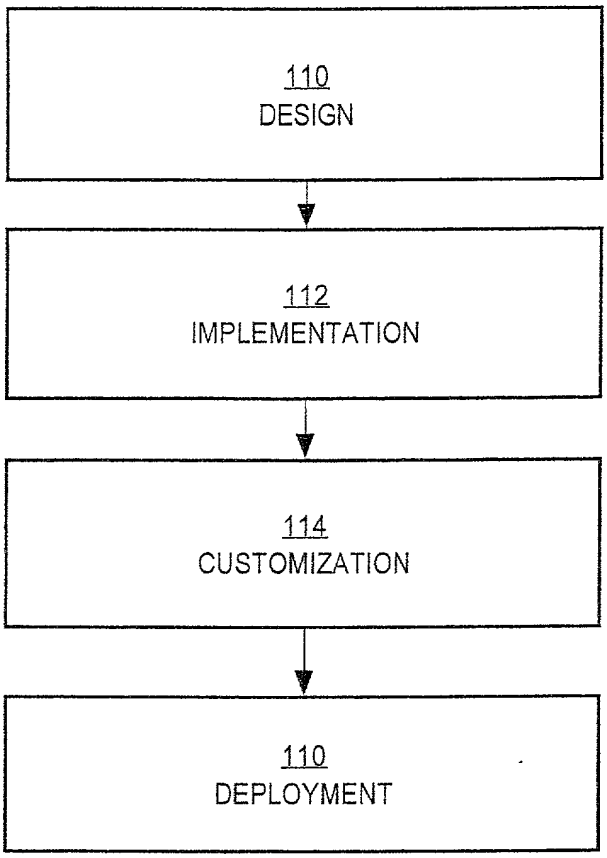

110
DESIGN
112
IMPLEMENTATION
114
CUSTOMIZATION
110
DEPLOYMENT

FIG. 1C

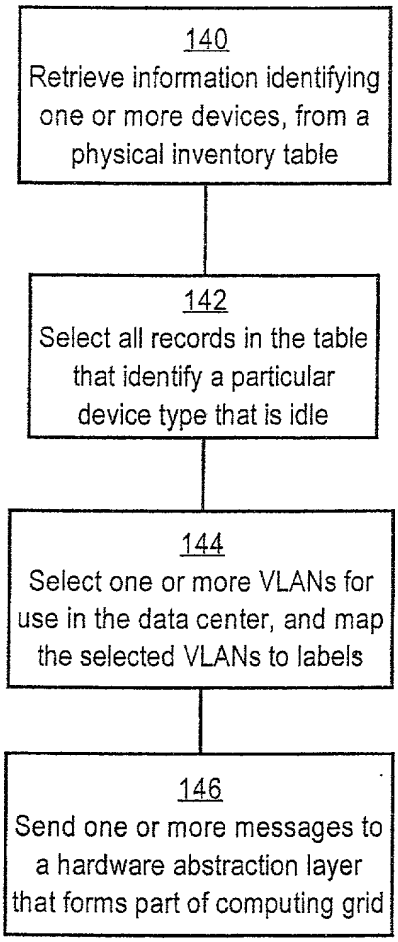

140
Retrieve information identifying one or more devices, from a physical inventory table
142
Select all records in the table that identify a particular device type that is idle
144
Select one or more VLANs for use in the data center, and map the selected VLANs to labels
146
Send one or more messages to a hardware abstraction layer that forms part of computing grid

FIG. 1D

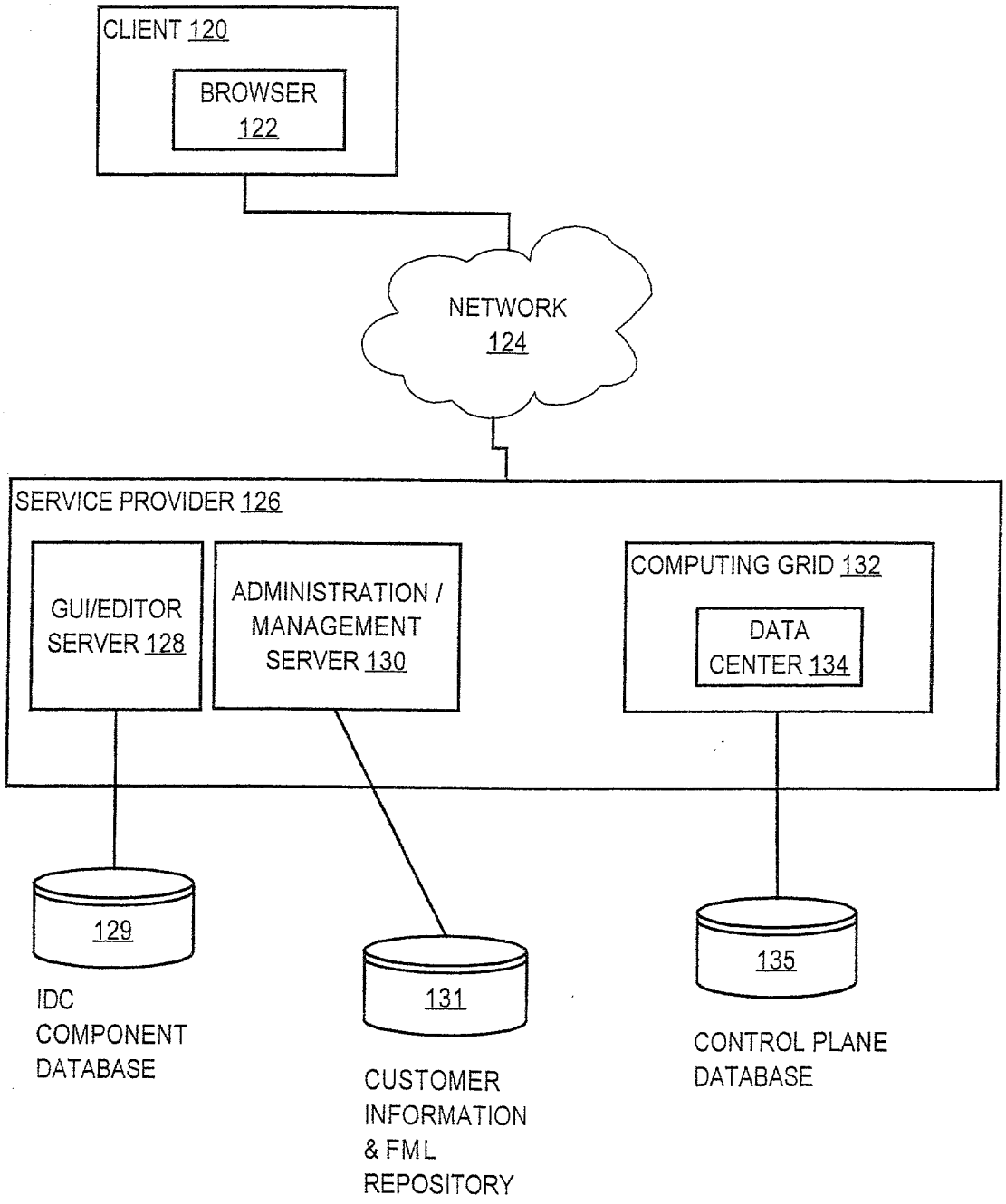

CLIENT 120
BROWSER 122
NETWORK 124
SERVICE PROVIDER 126
GUI/EDITOR SERVER 128
ADMINISTRATION / MANAGEMENT SERVER 130
COMPUTING GRID 132
DATA CENTER 134
129
IDC COMPONENT DATABASE
131
CUSTOMER INFORMATION & FML REPOSITORY
135
CONTROL PLANE DATABASE

Fig. 2A

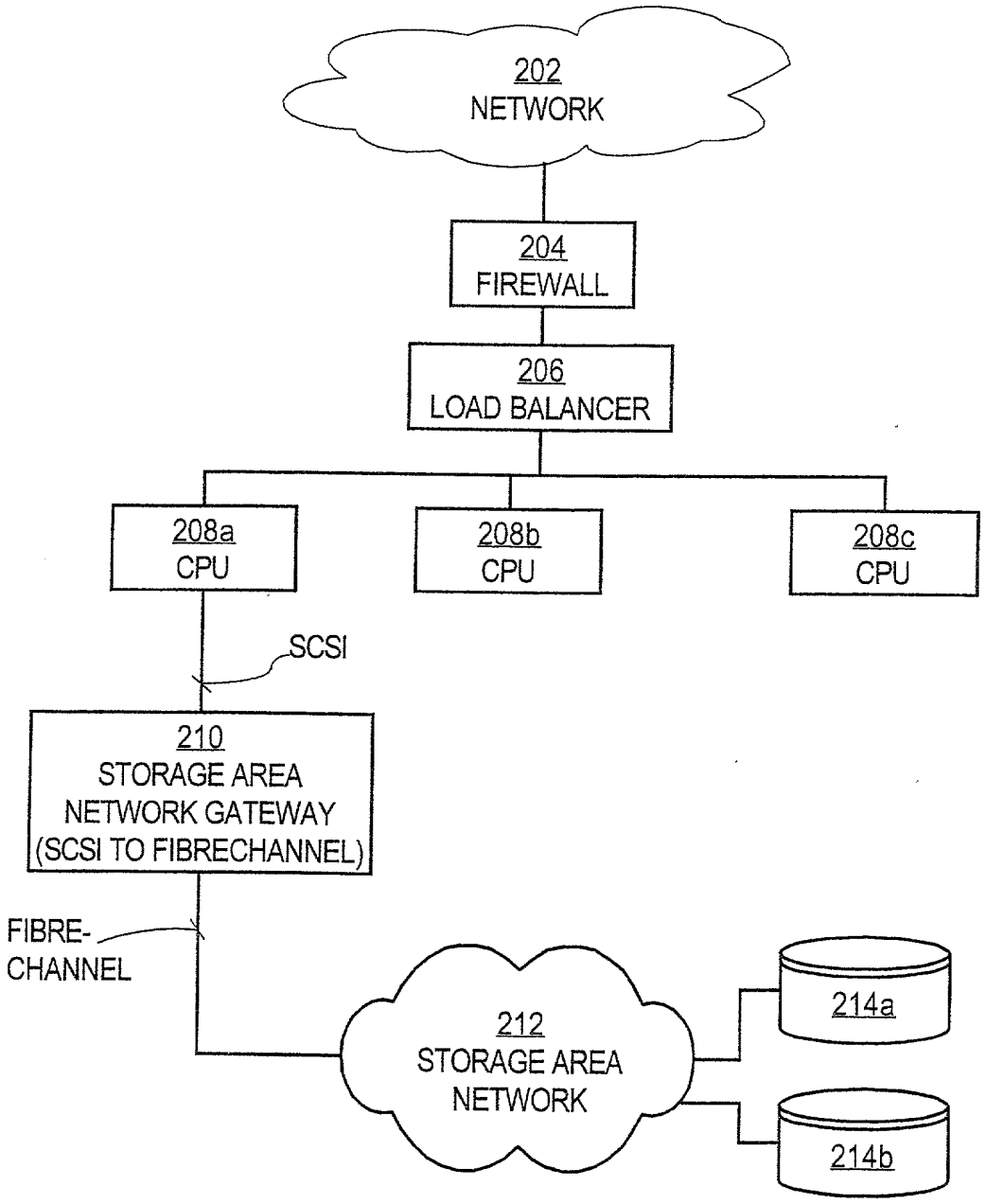
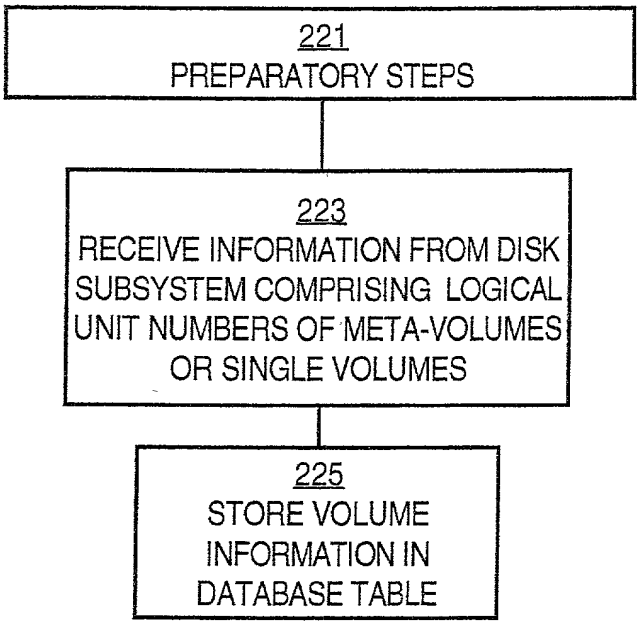
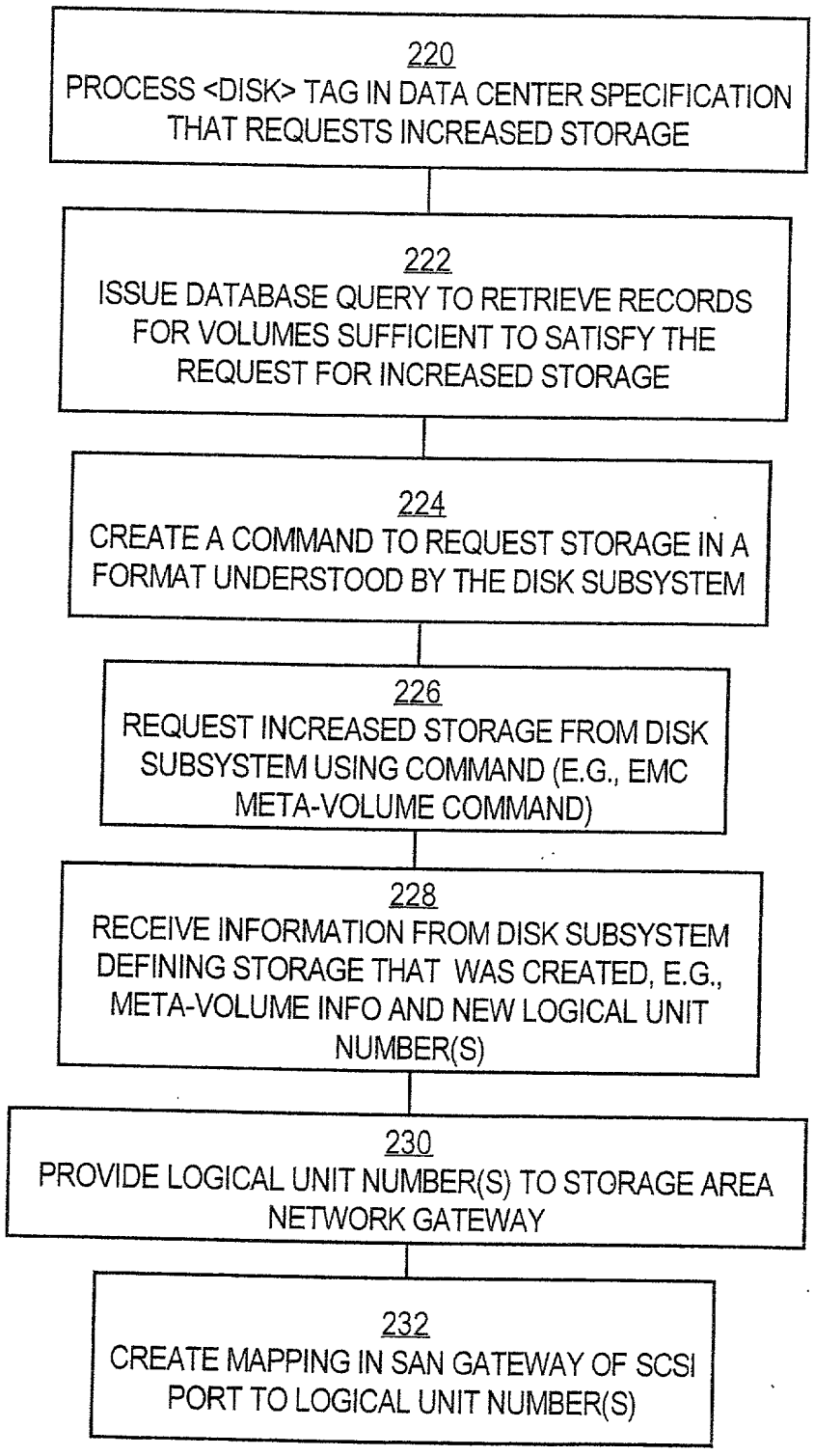

202
NETWORK
204
FIREWALL
206
LOAD BALANCER
208a
CPU
208b
CPU
208c
CPU
SCSI
210
STORAGE AREA
NETWORK GATEWAY
(SCSI TO FIBRECHANNEL)
FIBRE-
CHANNEL
212
STORAGE AREA
NETWORK
214a
214b

Fig. 2B



Document Page

Fig. 2C



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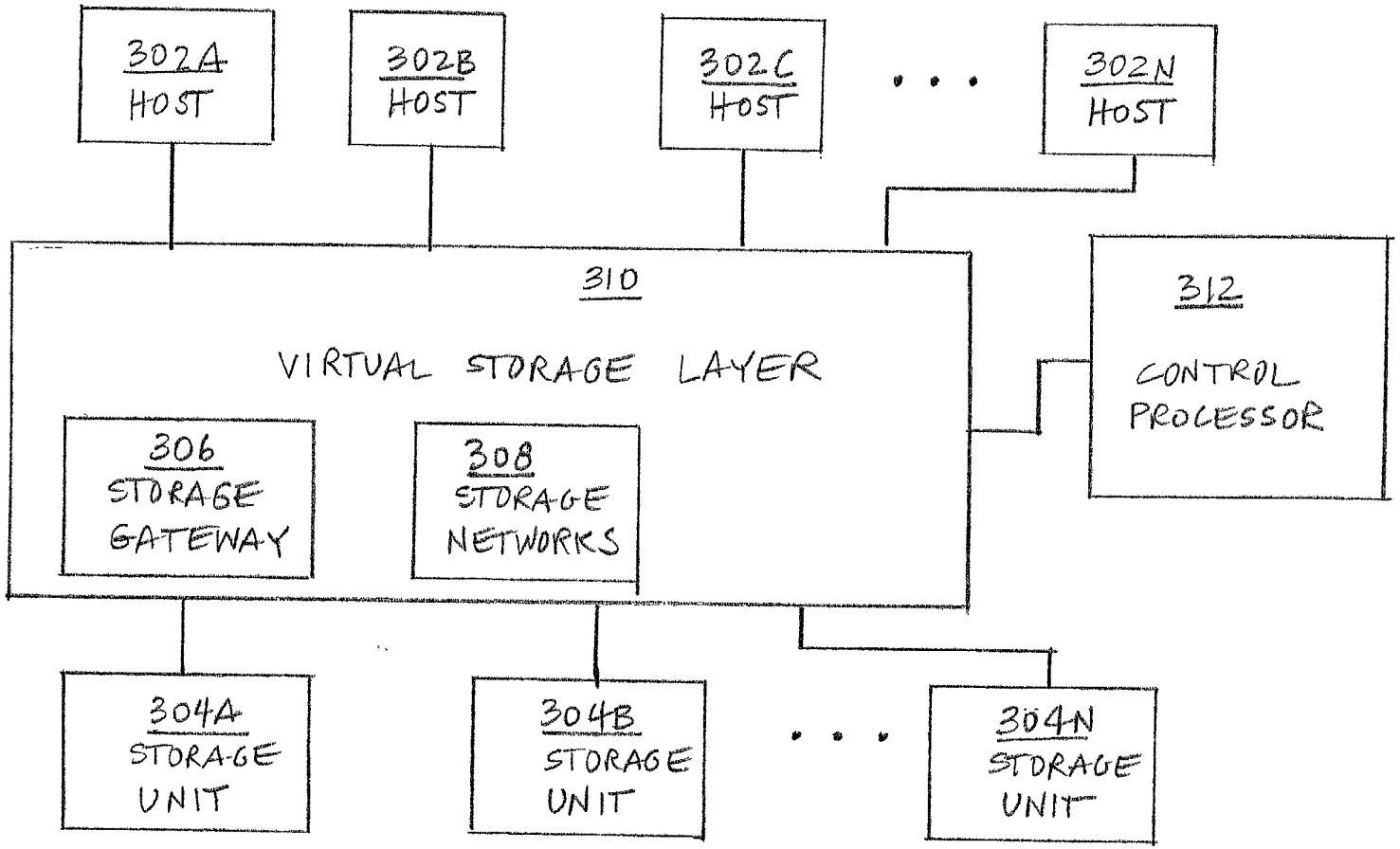
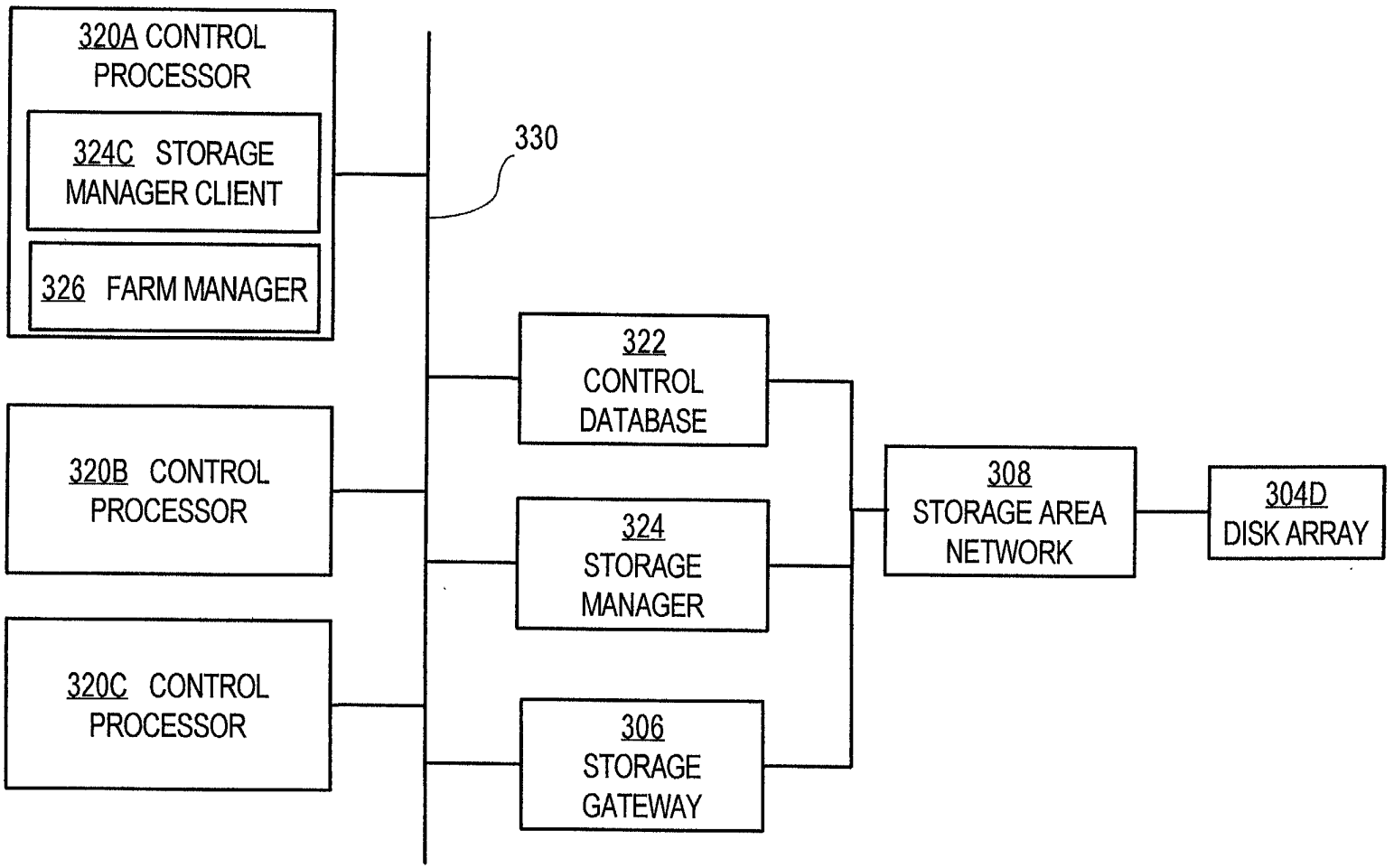
T0GT90" 06258860

FIG. 3A



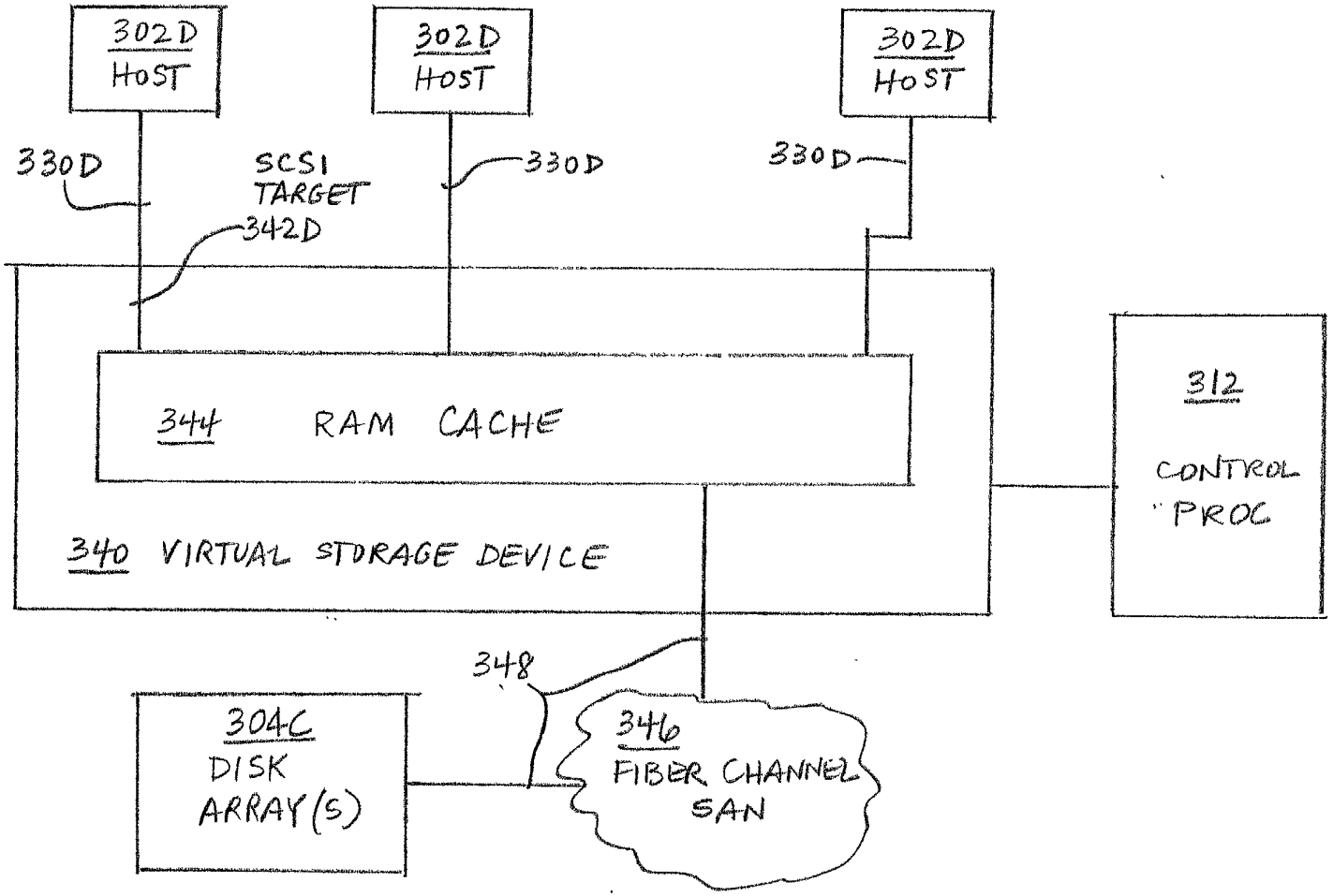
TOSTSD" 06259860

Fig. 3B



T0657D" 06258860

FIG. 3C



T06T90"06258860

FIG. 4A

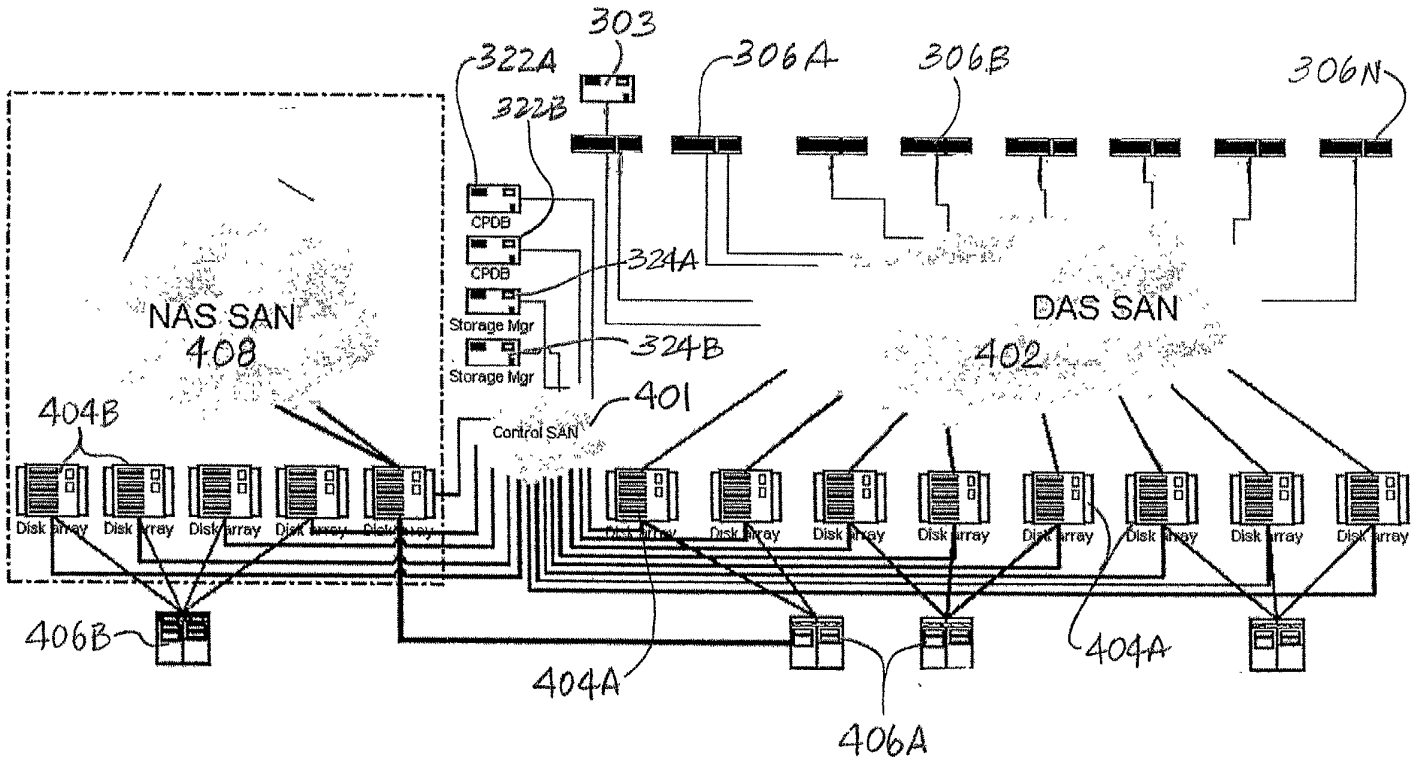
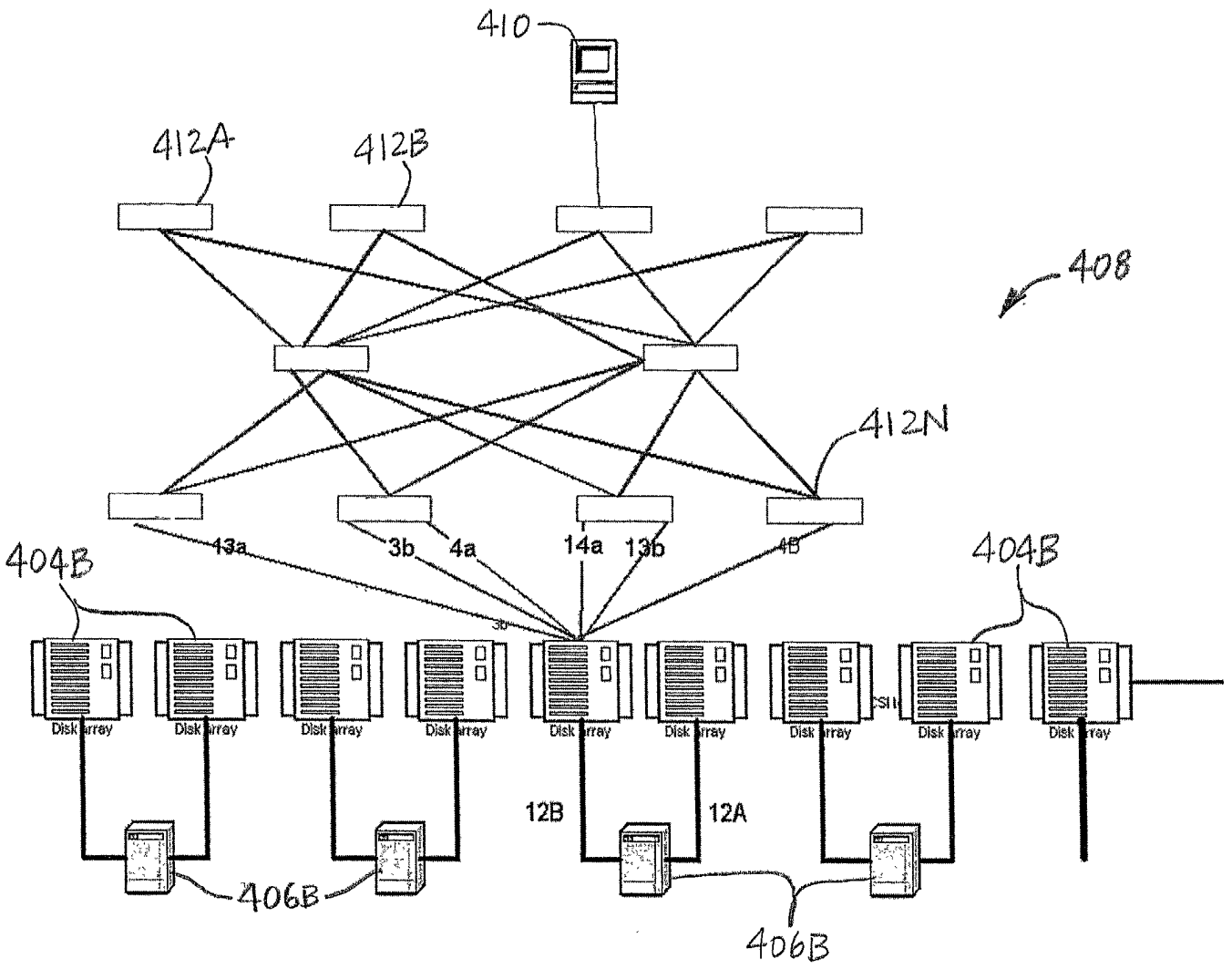
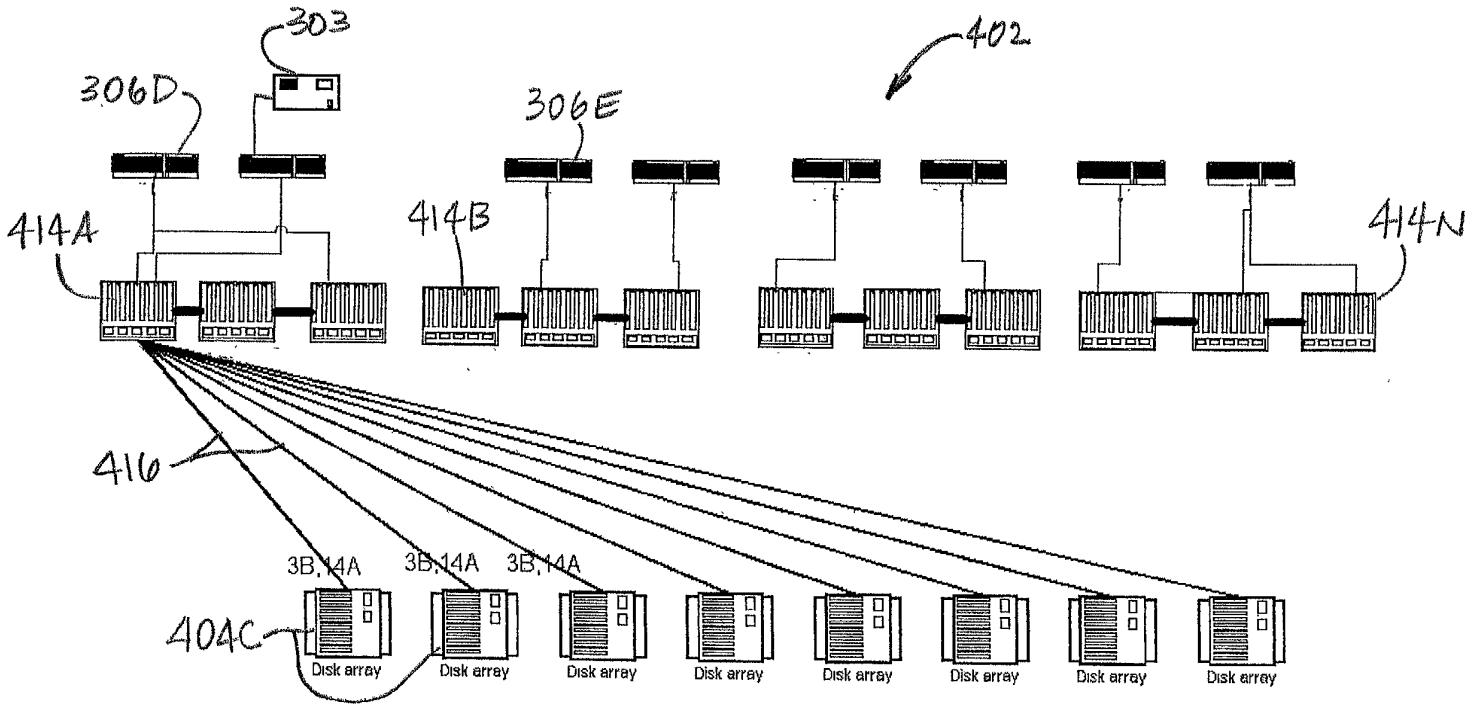


FIG. 4B


410
412A
412B
408
412N
404B
13a
3b
4a
14a
13b
4B
404B
Disk Array
12B
12A
406B
406B

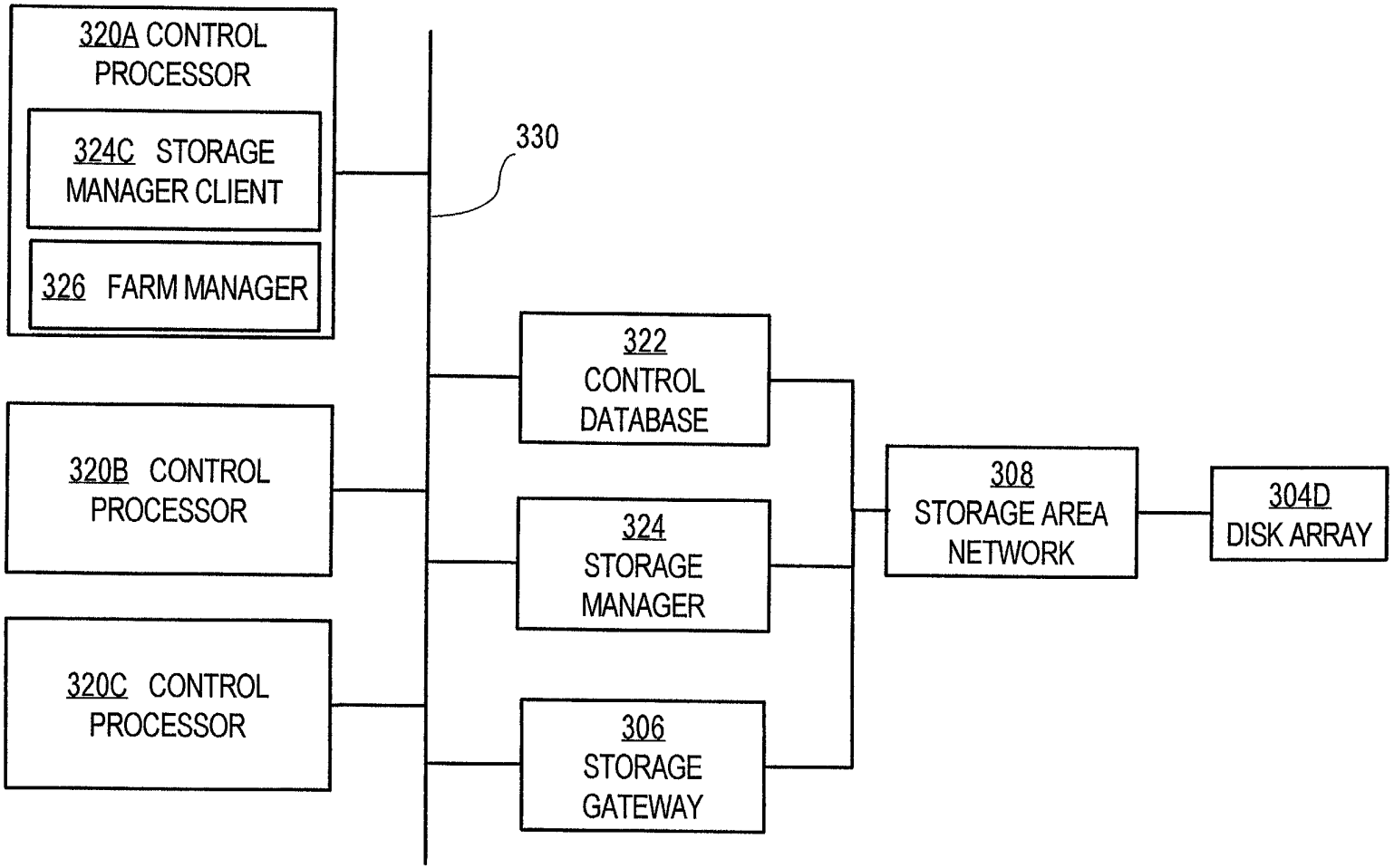
T0613D" 06258960

FIG. 4C



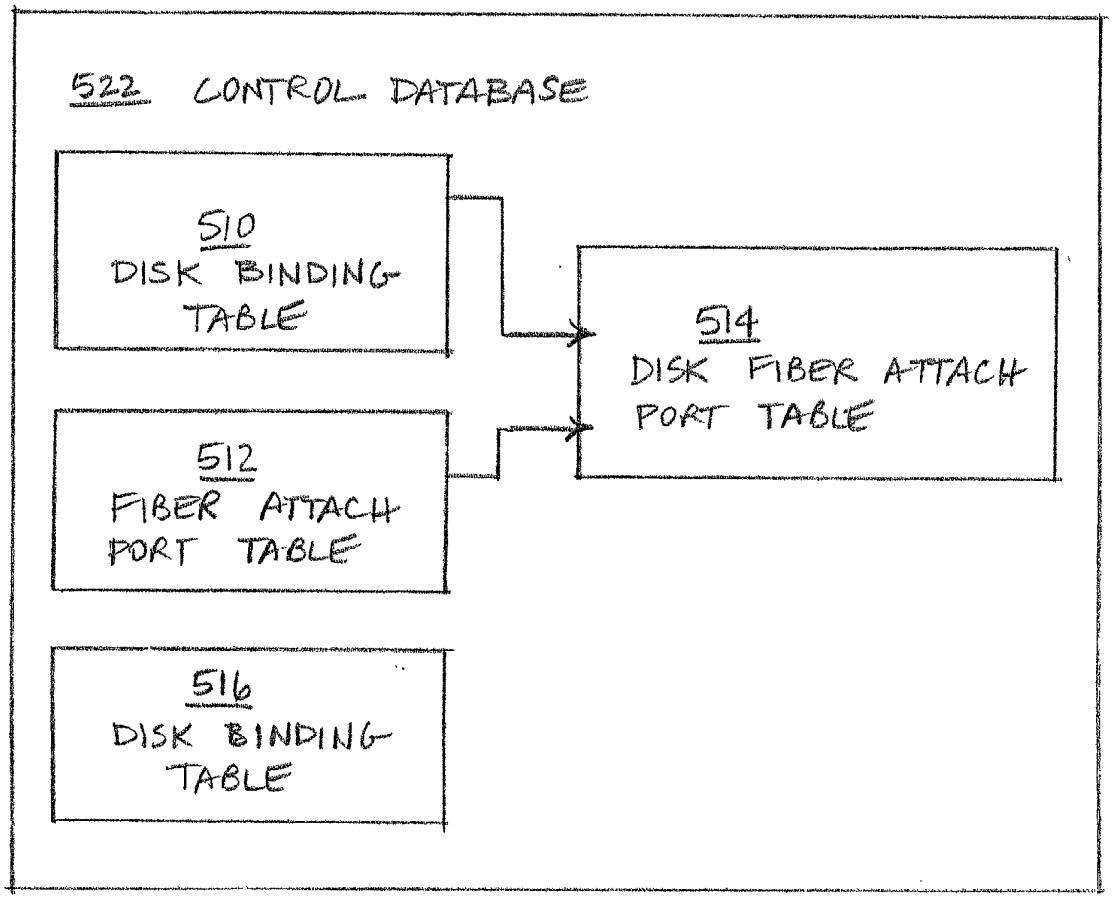
T06T90" 06259860

Fig. 5A



T06T30"06358860

FIG. 5B



T06T90" 06258860

Fig. 6A

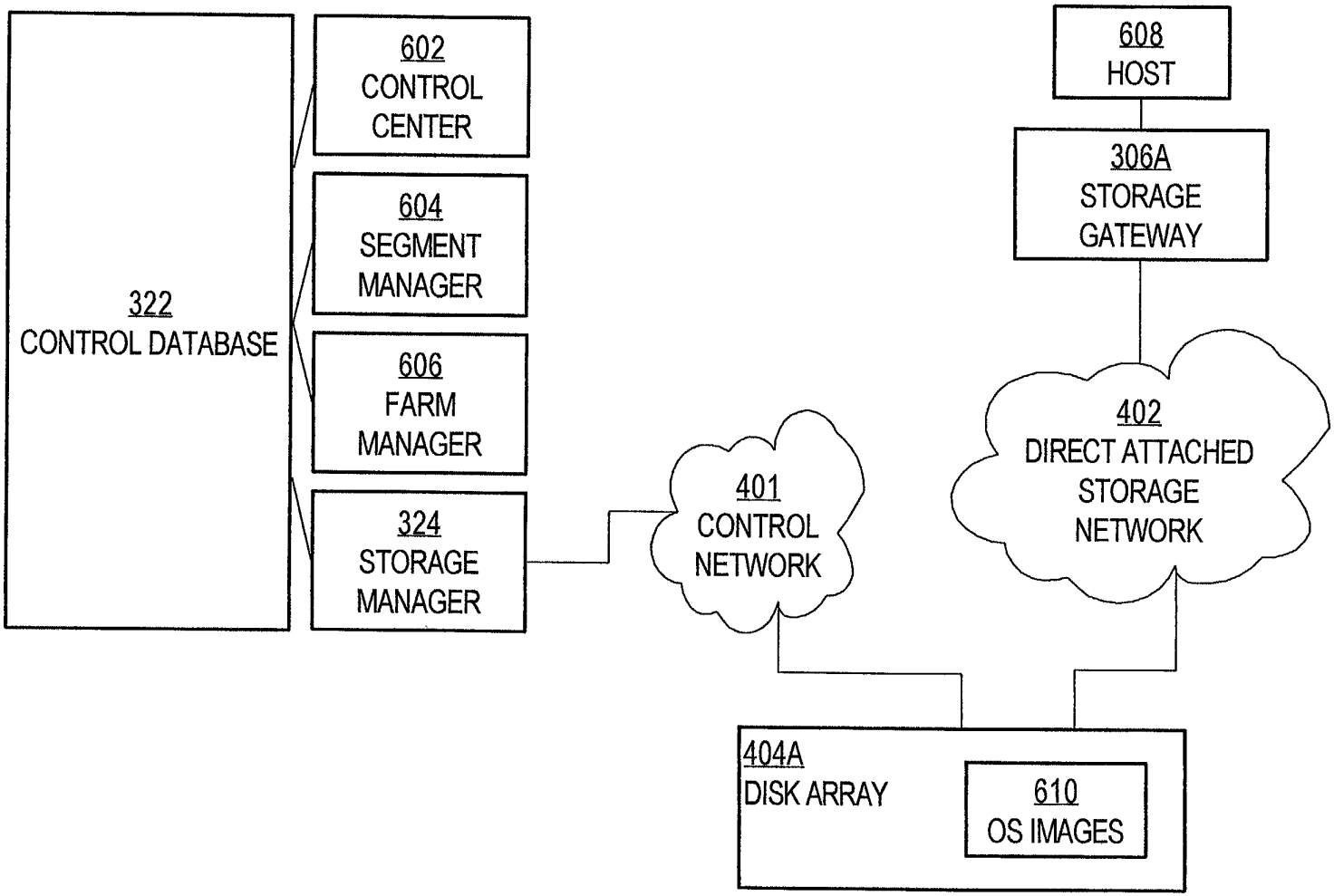


FIG. 6B

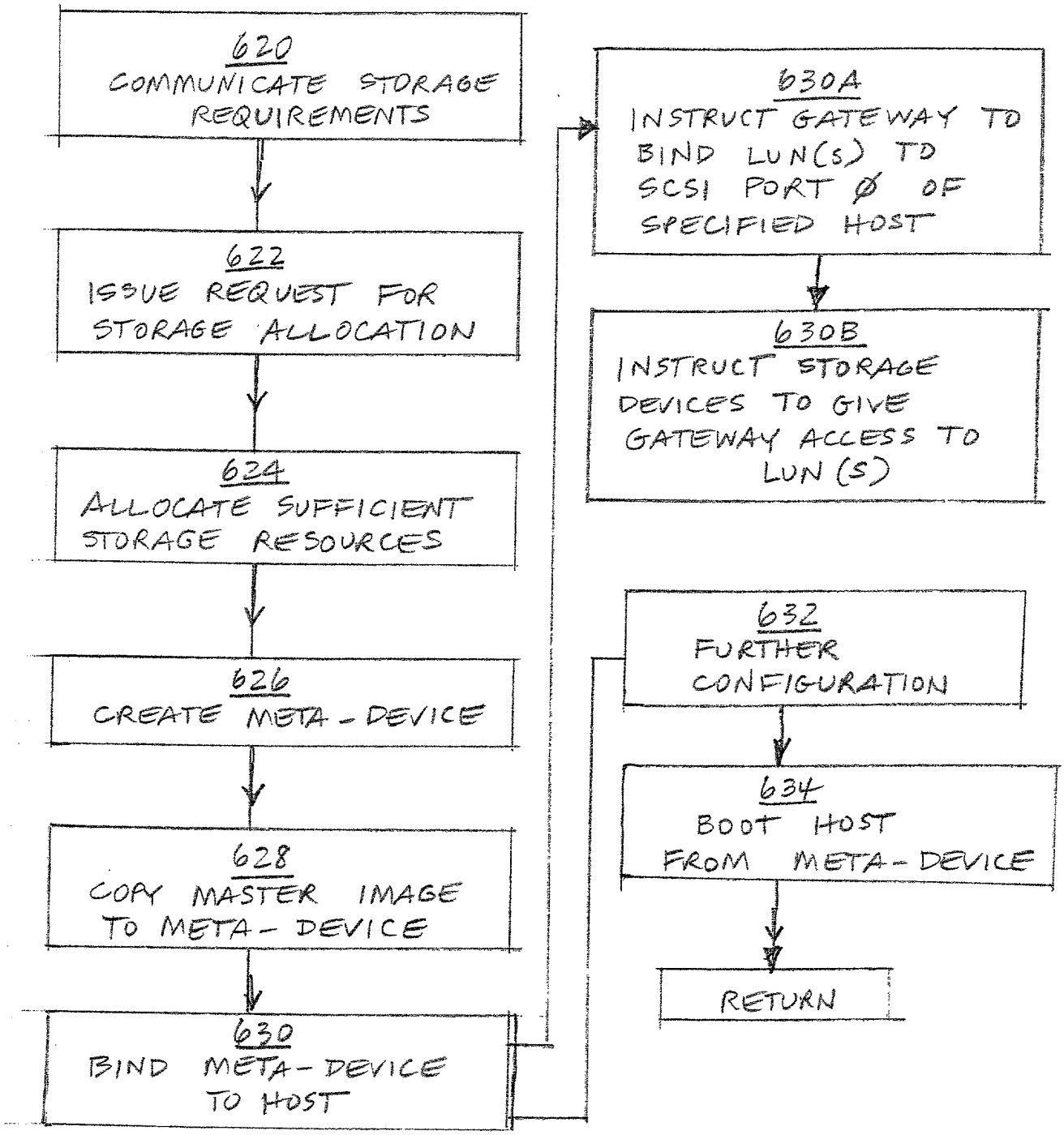
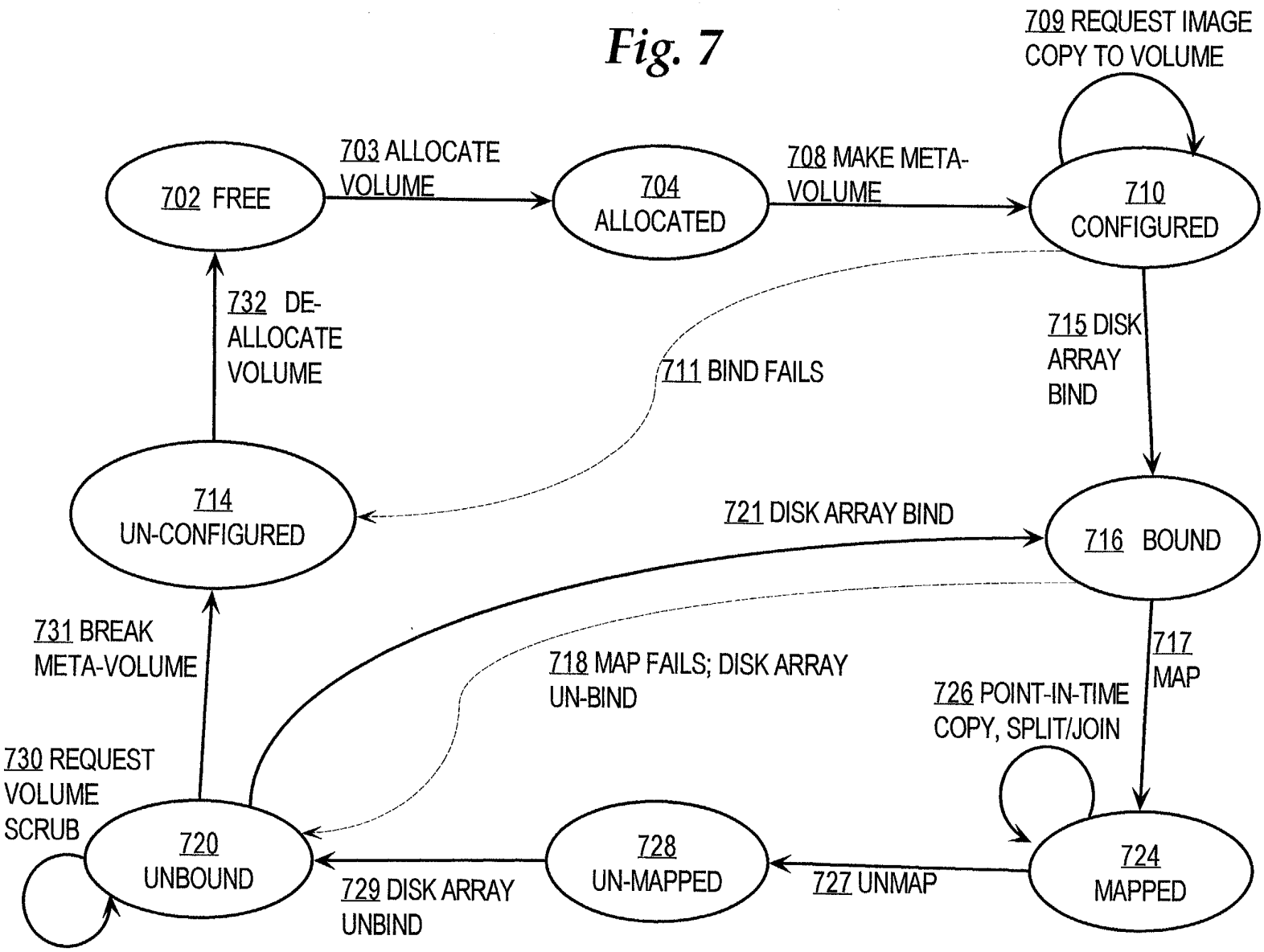
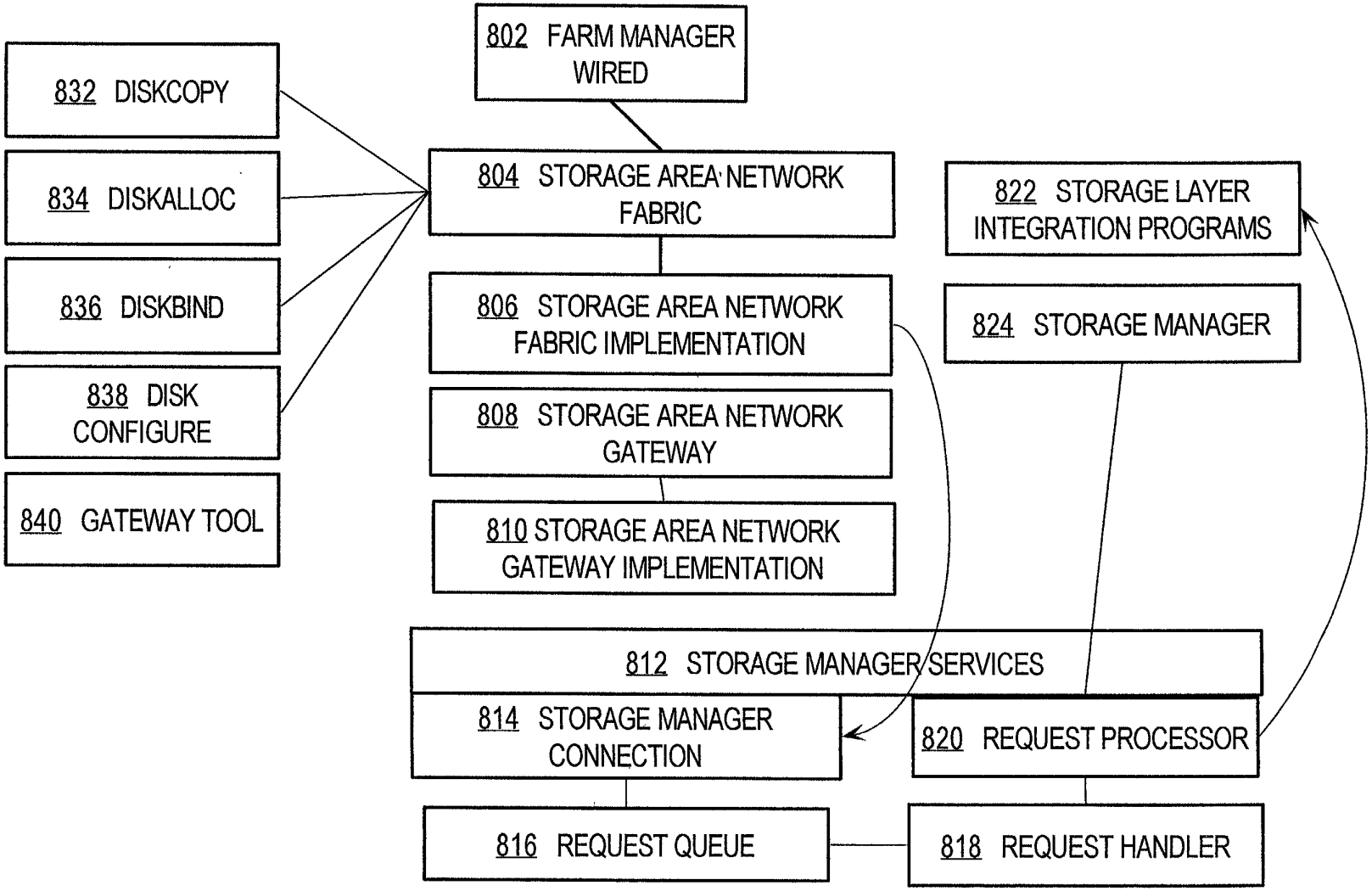

620
COMMUNICATE STORAGE REQUIREMENTS
622
ISSUE REQUEST FOR STORAGE ALLOCATION
624
ALLOCATE SUFFICIENT STORAGE RESOURCES
626
CREATE META-DEVICE
628
COPY MASTER IMAGE TO META-DEVICE
630
BIND META-DEVICE TO HOST
630A
INSTRUCT GATEWAY TO BIND LUN(S) TO SCSI PORT Ø OF SPECIFIED HOST
630B
INSTRUCT STORAGE DEVICES TO GIVE GATEWAY ACCESS TO LUN(S)
632
FURTHER CONFIGURATION
634
BOOT HOST FROM META-DEVICE
RETURN

Fig. 7


709 REQUEST IMAGE COPY TO VOLUME
702 FREE
703 ALLOCATE VOLUME
704 ALLOCATED
708 MAKE META-VOLUME
710 CONFIGURED
732 DE-ALLOCATE VOLUME
711 BIND FAILS
715 DISK ARRAY BIND
714 UN-CONFIGURED
721 DISK ARRAY BIND
716 BOUND
731 BREAK META-VOLUME
718 MAP FAILS; DISK ARRAY UN-BIND
726 POINT-IN-TIME COPY, SPLIT/JOIN
717 MAP
730 REQUEST VOLUME SCRUB
720 UNBOUND
729 DISK ARRAY UNBIND
728 UN-MAPPED
727 UNMAP
724 MAPPED

T0670 "06259860

Fig. 8



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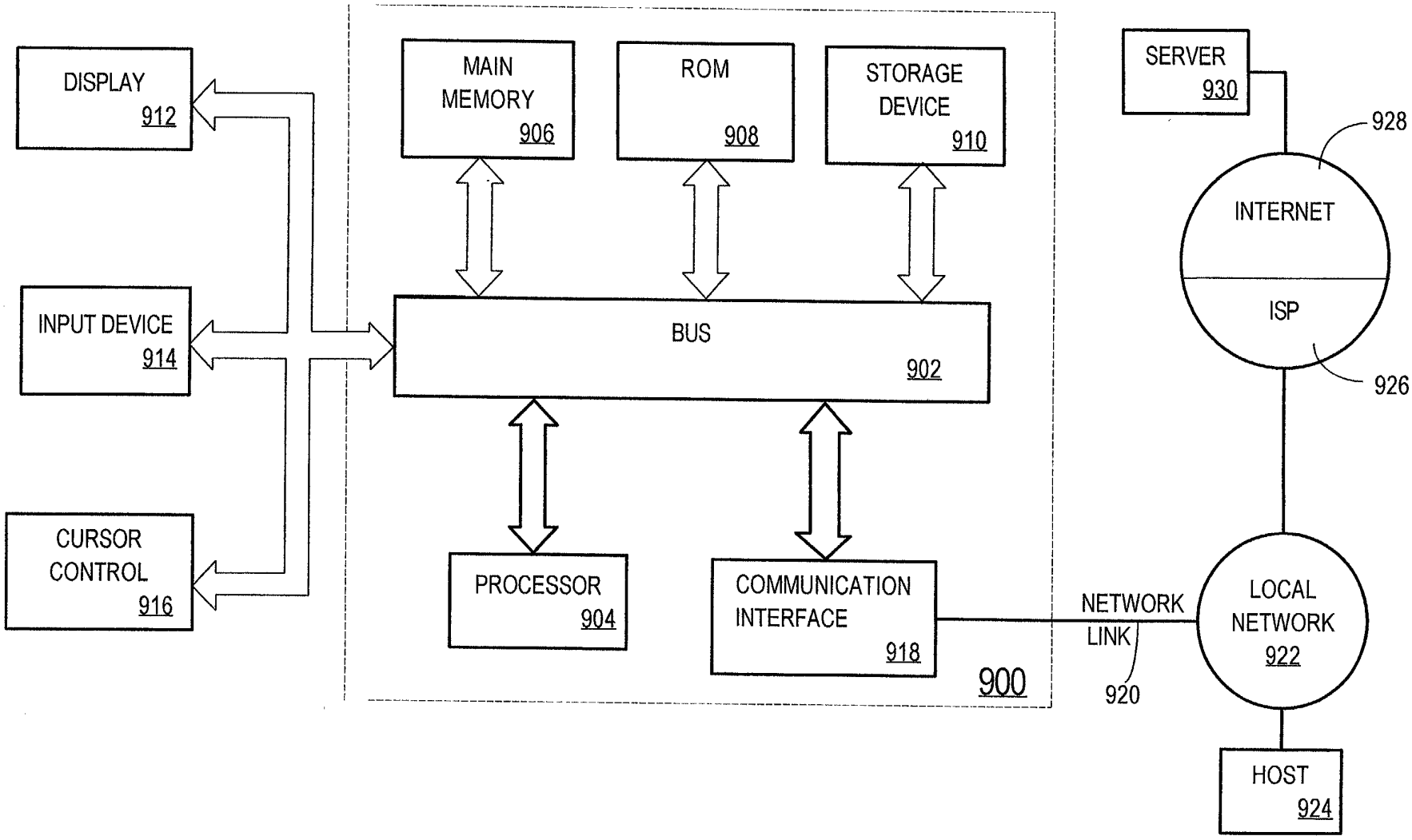
FIG. 9